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Interference

The Department of Trade and industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and ITC programmes where these are being spoilt by interference.
If your dealer cannot help, ask at a Main Post Office for the booklet 'How to Improve Television and Radio Reception'.

Supplied accessories

- Operating instructions
- Remote control and batteries
- Aerial cable

VCR

VR740/07

VR742/07

VR840/07

[VR740/07]

VIDEO Plus+®

PHILIPS

OPERATING INSTRUCTIONS

Thank you for buying a Philips video recorder. This video recorder is one of the most sophisticated and easy-to-use video recorders (VCR) on the market. Please take the time to read this operating manual before using your video recorder. It contains important information and notes regarding operation. The video recorder should **not be turned on immediately after transportation** from a cold to a hot area or vice versa, or in conditions of extreme humidity. Wait at least **three hours** after transporting the device. The video recorder needs this time in order to become acclimatised to its new environment (temperature, air humidity, etc.).

VHS
PAL

This video recorder is used for the recording and playback of VHS video cassettes. Cassettes with the VHS-C label (VHS cassettes for camcorders) may only be used with a suitable adapter.
We hope you enjoy your new video recorder.

Important notes regarding operation

⚠ **Danger: High voltage!**
Do not remove the top cover as there is a risk of an electrical shock!

⚠ The video recorder does not contain any components that can be repaired by the customer. Please leave all maintenance work for qualified personnel.

⚠ As soon as the video recorder is connected to the power supply, there are some components that are in constant operation. To switch off the video recorder completely you must disconnect it from the power supply.

⚠ Make sure that air can circulate freely through the ventilation slots on the video recorder. Do not place the device on an unsteady base.

⚠ Make sure that no objects or liquids enter the video recorder. Do not place vases or the like on the video recorder. If liquid is spilt into it, immediately disconnect the video recorder from the power supply and call After-sales Service for advice.

⚠ Do not place any combustible objects on the device (candles, etc.).

⚠ Make sure that children do not place any foreign objects within the openings or ventilation slots.

♻ These operating instructions have been printed on non-polluting paper.

♻ Deposit old batteries at the appropriate collection points.

♻ Please make use of the facilities available in your country for disposing of the packaging of the video recorder in a way that helps to protect the environment.

♻ This electronic device contains many materials that can be recycled. Please enquire about the possibilities for recycling your old device.

VIDEO Plus+®

VIDEO Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The VIDEO Plus+ system is manufactured under license from Gemstar Development Corporation.

So that you can identify your machine for service questions or in the event of theft, enter the serial number here. The serial number (PROD.NO.) is printed on the type plate fixed at the back of the device. Also, we suggest that you put a mark with your VCR MODEL NO..

MODEL NO. VR740/07, VR742/07, VR840/07

PROD. NO. .....

This product complies with the requirements of Directive 73/23/EEC +89/336/EEC +93/68 EEC.

Specifications

Voltage: 230-240V/50Hz
Power consumption : 20W
Power consumption (Standby): less than 3W (PWR. in the display switched off)
Rewind time: approx. 70 seconds (cassette E-180)
Dimensions in cm (WxDxH): 43.5x22.6x9.2
Number of video heads : 4
Number of video heads (HIFI): 2
Recording/playback time:
3 hours (SP) (cassette E-180)
6 hours (LP) (cassette E-180)

1. Connecting the video recorder

Important for the United Kingdom

This apparatus is fitted with an approved moulded 10 Amp plug. To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 3A,ASTA or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 3A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 3A.

The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

How to connect a plug:
The wires in the mains lead are coloured in accordance with the following code:
BLUE- 'NEUTRAL' ('N')
BROWN- 'LIVE' ('L')

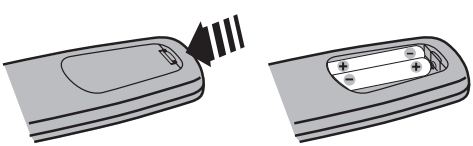
4. The BLUE wire must be connected to the terminal which is marked with the letter 'N' or coloured BLACK.
5. The BROWN wire must be connected to the terminal which is marked with the letter 'L' or coloured RED.
6. Do not connect either wires to the earth terminal in the plug which is marked with the letter 'E' or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead-not imply over the two wires.

Preparing the remote control for operation

The remote control and its batteries are packed separately in the original video recorder packaging. You must install the batteries in the remote control before use.

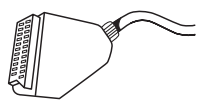
1. Take the remote control and the enclosed batteries (2 batteries).



2. Open the remote control's battery compartment and place the batteries in it as shown in the picture and close the battery component.

The remote control is now ready to use. Its range is approximately 5 metres.

Connecting your video recorder to the TV set



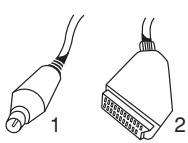
The necessary cable connections must be made before you can record or playback TV programmes using your video recorder.
We recommend that you use a scart cable to connect your TV and video recorder.

What is a scart cable?
The scart or Euro AV cable serves as the universal connector for picture, sound and control signals. With this type of connection, there is practically no loss of quality during the picture or sound transfer.
*You can have the Hi-fi sound on the TV only with a scart cable.

Connecting with a scart cable and 'Easy Link' [VR840]

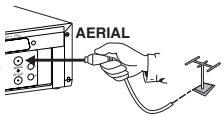
easy LINK

What is Easy Link?
Easy Link is a system which allows advanced communication between the different elements of the Audio and Video chain (TV, VCR, DVD, Dolby Surround amplifier etc...)
If both your TV and your VCR are equipped with one of the following features:
Easy Link, NextView Link, TV Link Smart Link, Q Link, Cinema Link (all compatible with one another), your VCR can exchange information with your TV. For example, the channels will automatically be transferred in the same order from your TV to your video recorder during the initial installation.
Have the following cables ready: an aerial cable (1, supplied), a scart cable (2, not supplied).

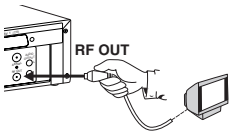


1. Switch off your TV set.

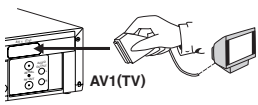
2. Remove the aerial cable plug from your TV set. Insert it into the AERIAL at the back of the video recorder.



3. Insert one end of the supplied aerial cable into the RF OUT at the back of the video recorder and the other end into the aerial input socket at the back of the TV set.



4. Plug in a scart cable into the scart socket AV1 (TV) at the back of the video recorder and the scart socket on the TV set reserved for the video recorder operation (see TV set operating instructions).



My TV set has several scart sockets. Which one should I use?
Please see the operating instructions of your TV set to find out which socket supports 'Easy Link'.

5. Switch on the TV set.

6. Insert AC cable into the wall socket.

7. Switch on this video recorder.

8. The following screen will appear on the TV screen.

PLEASE CONNECT AERIAL OR
CABLE TO THE VCR

THEN...
PUSH P+ KEY

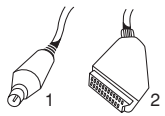
OR...
FOR PLAY ONLY - PUSH PLAY

The video recorder does not find any TV channels during the search
* Select channel 1 on the TV. Can you see the saved TV channel on the TV?
If not, check the cable connection of the aerial (aerial socket), video recorder, TV.
* The video recorder searches the entire frequency range in order to find and save the largest possible number of TV channels.

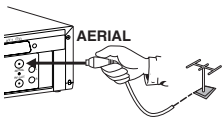
Then, read the paragraph 'Preparation for use' in the chapter 'Installing your video recorder'.

Connecting with a scart cable

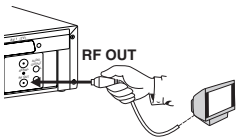
Have the following cables ready:
an aerial cable (1, supplied), a scart cable (2, not supplied).



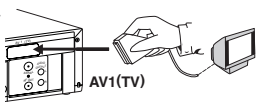
1. Remove the aerial cable plug from your TV set. Insert it into the AERIAL at the back of the video recorder.



2. Insert one end of the supplied aerial cable into the RF OUT at the back of the video recorder and the other end into the aerial input socket at the back of the TV set.



3. Plug one end of a scart cable into the scart socket AV1(TV) at the back of the video recorder and the other end into the suitable scart socket on your TV reserved for the video recorder operation (see your TV's operating instructions).



4. Switch on the TV.

5. Insert AC cable into the wall socket.

My TV has several scart sockets. Which one should I use?
Select that scart socket which is suited for the video output as well as for the video input.
My TV has a configuration menu for the scart socket.
Please configure this scart socket as Input-Output.

6. If the connection was properly made and your TV was automatically switched to the programme number for the scart socket, you will see the following picture:

PLEASE CONNECT AERIAL OR
CABLE TO THE VCR

THEN...
PUSH P+ KEY

OR...
FOR PLAY ONLY - PUSH PLAY

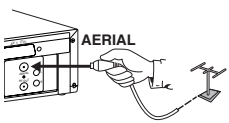
Then, read the paragraph 'Preparation for use' in the chapter 'Installing your video recorder'.

My screen is empty
* Many TV sets are switched to the programme number for the scart socket by way of a control signal sent through the scart cable.
* If the TV set does not automatically switch to the scart socket programme number, manually change to the corresponding programme number on your TV set (see your TV's operating instructions).

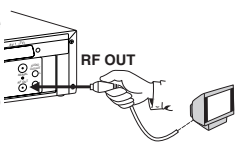
Connecting without a scart cable

Have an aerial cable ready (supplied).

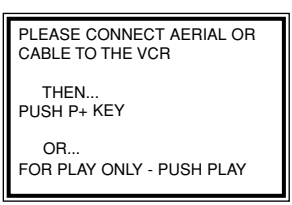
1. Switch off your TV set.
2. Remove the aerial cable plug from the aerial input socket of the TV set. Insert it into the AERIAL at the back of the video recorder.



3. Insert one end of the supplied aerial cable into the RF OUT at the back of the video recorder and the other end into the aerial input socket at the back of the TV set.



4. Insert AC cable into the wall socket.
5. Switch on your TV set and select the programme number used for video playback on your TV set (see your TV's operating instructions).
6. Select this programme number and manually start the TV's channel search as if you wanted to save a new TV channel until the 'test image' appears.



I do not see a TV channel search picture
* Check the cable connections.
* Repeat the channel search on your TV.

7. Save this programme number setting on your TV set for video recorder operation.

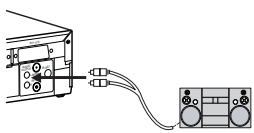
You can find more details in chapter 'Preparation for use'.

Programme number for video recorder operation
You have now saved a programme number for use by your video recorder as you would a regular TV channel. This programme number must now be used in future for video recorder playback ('video recorder' TV channel).

Audio output Connection

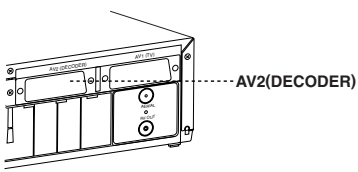
Prepare an audio cable (not supplied).

1. Switch off your audio amplifier.
2. Insert one end of the audio cable into the corresponding red and white AUDIO OUTPUT L/R socket at the back of the video recorder and the other end into the corresponding audio input socket at the back of the audio amplifier.



Connecting additional devices

You can connect additional devices such as decoders, satellite receivers, camcorders, etc. to the socket AV2(DECODER).



2. Important notes for operation

Switching on
You can switch on the video recorder with the STANDBY/ON button.

Automatic switch-off
If the video recorder is not used for several minutes, it switches itself off automatically. This function can be deactivated (e.g. if you want to use the video recorder as a TV receiver). For more information, please read the section 'Automatic switch-off' in chapter 'Other functions'.

Time in the display
If you have switched the video recorder off with STANDBY/ON, the time will show in the display, e.g. '18:00'.
If the clock has not been set, ' --:-- ' will appear.

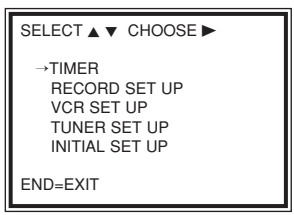
Power consumption
The video recorder should always be connected to the mains so as not to affect the use of the TV or programmed recordings.
If the display has been switched off, your video recorder consumes less than 3W in stand-by.

Power outage/no power
Channel information remains saved for up to 10 year, the time and timer information is saved for up to 1 minute.

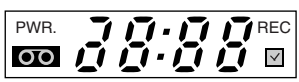
Navigation in the screen menu

You can check/change many functions and settings of your video recorder via the on-screen menu. The individual functions are selected, via the remote control as follows:

Call up the menu: with MENU.
To select: with PLAY ►-▲ STOP ■-▼.
To enter or change your selection: with the number buttons 0..9 or with PLAY ►-▲ STOP ■-▼.
To save or confirm: with FWD ►▷- ►.
To cancel: with CLEAR.
To end: with STATUS/EXIT.



The symbols on your video recorder display



These symbols can light up on your video recorder display:

PWR When you keep your video recorder on.

When you have put a cassette in the video recorder.

88:88 Display of programme number of the TV channel / time / RF channel.

REC When you record.

When you have programmed a recording.

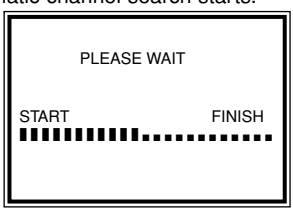
3. Installing your video recorder

Preparation for use

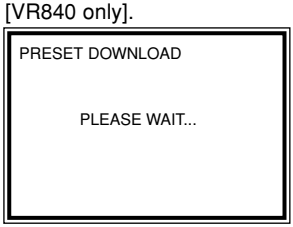
This chapter shows you how to prepare the video recorder for use. The video recorder automatically seeks out and stores all available TV channels.

'Aim' correctly
In the following sections, you require the remote control for the first time. When using, always aim the front of the remote control at the video recorder and not at the TV.
Connecting additional devices
After you have connected additional devices (satellite receiver, etc.) through the aerial cable, switch them on. The automatic channel search will recognise them and save them.

1. Press PROG P+.
The automatic channel search starts.

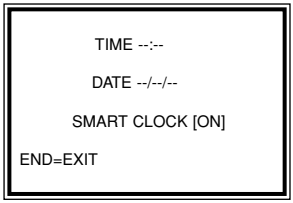


If you connect the VCR to a TV equipped with Easy Link, the preset download will automatically be performed and the following OSD will appear on the TV [VR840 only].



2. 'TIME' and 'DATE' will appear on the TV screen.
3. Check 'TIME'. If required, please change the time with the number buttons 0..9.

The video recorder does not find any TV channels during the search
* Select channel 1 on the TV. Can you see the saved TV channel on the TV?
If not, check the cable connection of the aerial (aerial socket), video recorder, TV.
* The video recorder searches the entire frequency range in order to find and save the largest possible number of TV channels. It is possible that the TV channels in your country are broadcast in a higher frequency range. As soon as this range is reached during the search, the video recorder will find the TV channels.



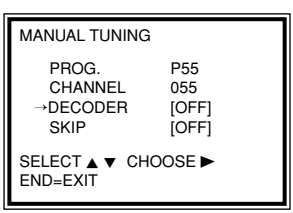
4. Check if the displayed settings for 'DAY', 'MONTH' and 'YEAR' are correct.
5. When all information is correct, save by pressing STATUS/EXIT.
The preparation for use is now complete.

Satellite receiver
If you are connecting a satellite receiver, please read the section 'Using the satellite receiver'.
Decoder
If you are connecting a decoder, you must install it as described in the next section.

Decoder allocation

Some TV channels transmit encoded TV signals which can only be viewed with a purchased or rented decoder. You can connect such a decoder to this video recorder. The following function will automatically activate the connected decoder for the desired TV channel.

1. Switch the TV on. If applicable, select the programme number for the video recorder operation.
2. Use PLAY ►-▲ STOP ■-▼ or 0..9 to select the TV channel which you would like to allocate the decoder to.
3. Press MENU. The main menu will appear.
4. Use PLAY ►-▲ STOP ■-▼ to select 'TUNER SET UP'. Then press FWD ►▷-►.
5. Use PLAY ►-▲ STOP ■-▼ to select 'MANUAL TUNING'. Then press FWD ►▷-►.
6. Use PLAY ►-▲ STOP ■-▼ to select 'DECODER'.



7. Use FWD ▶▷-▶ to select 'ON' (Decoder switched on).

8. To end, press STATUS/EXIT.

The decoder has now been allocated to this TV channel.

How can I switch off the decoder?
Use FWD ▶▷-▶ to select 'OFF' (Decoder switched off).

Manual TV channel search

In some cases it can occur that all TV channels are not found and saved during the first installation. In this case, the missing TV channels must be searched for and stored manually.

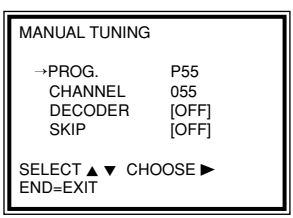
1. Switch on the TV set. If required, select the programme number for the video recorder.

2. Press MENU .
The main menu will appear.

3. Use PLAY ▶-▲ STOP ■-▼ to select 'TUNER SET UP'. Then press FWD ▶▷-▶.

4. Use PLAY ▶-▲ STOP ■-▼ to select 'MANUAL TUNING'. Then press FWD ▶▷-▶.

5. Select 'PROG.' with PLAY ▶-▲ STOP ■-▼. Then press FWD ▶▷-▶.



6. With PLAY ▶-▲ STOP ■-▼ or 0..9, select the desired programme number that you want to use for the TV channel, e.g. 'P01'. Then press FWD ▶▷-▶.

What is a special channel?
TV channels are transmitted in certain predefined frequency ranges. These ranges are divided into channels.
A specific frequency/channel is assigned to each TV station.
Certain frequency ranges are specified as special channels (hyperband channels).

7. Select 'CHANNEL' with PLAY ▶-▲ STOP ■-▼, and confirm with FWD ▶▷-▶. Then enter the desired channel with 0..9.

If you set 'SKIP' on for a channel, this channel will be ignored when going through the channels with PROG P+ or PROG P–.

I don't know the channels for my TV stations
In this case, press PLAY ▶-▲ STOP ■-▼ in 'CHANNEL' to start the automatic channel search. A changing channel number will appear on the TV screen. Continue the automatic search until you have found the desired TV channel.

8. Save the TV channel with FWD ▶▷-▶.

9. To search for other TV channels, begin again at step 5.

10. To end, press STATUS/EXIT.

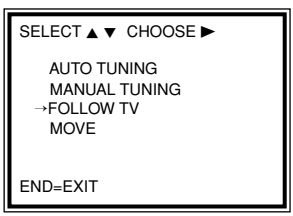
Using the satellite receiver

Satellite channels from a satellite receiver (connected to the scart socket AV2(DECODER)) are received on the video recorder on programme number 'AV2' with 0.0.2.
You should select the satellite channels to be received by the satellite receiver directly on the receiver itself.

Follow TV (Automatic TV channels sorting)

When the automatic channel search function is activated, the TV channels are saved in a specific order. This may vary from the order of TV channels on the TV.
This function changes the order of TV channels saved in the video recorder to match that of the TV.
Make sure that the video recorder and the TV are connected by a scart cable.

1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'TUNER SET UP' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'FOLLOW TV' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.



5. 'P:01' will appear in the video recorder display.

I cannot switch my TV set to programme number '1'
* If you have connected additional devices to socket AV2(DECODER), please disconnect these devices. Because of other connected devices, the TV set could switch to the programme number of the scart socket.

6. Select programme number '1' on the TV.
7. Confirm with FWD ►▷- ► on the video recorder remote control. The video recorder compares the TV channels on the TV and the video recorder.
   If the video recorder finds the same TV channel as on the TV, then it stores it at 'P01'.

'NO TV SIGNAL' will appear in the TV screen. The video recorder is not receiving a video signal from the TV.
Check the plug on the scart cable.
Check your TV's operating instructions to see which scart socket is used for video signals.
If this does not help, it's not possible to use this function. Please read the section 'Sorting TV channels manually'.

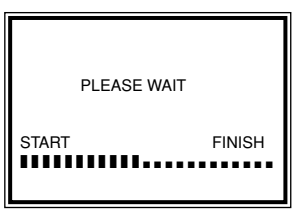
8. Wait until the next number, e.g. 'P:02' appears in the display.
9. Select the next programme number on the TV, e.g. '2'.
10. Confirm with FWD ►▷- ►.
11. Repeat steps 8 to 10 until you have assigned a programme number to all TV channels.
12. To end, press STATUS/EXIT.

Automatic Tuning

During installation, all available TV channels are searched for and saved. If the channel assignments of your cable or satellite TV provider change or if you are re-installing the video recorder, e.g. after moving house, you can start this procedure again. This will replace the TV channels already saved with the new ones.

What does Easy Link do ?
With Easylink, TV channels are always transferred from the TV to the VCR. A new TV channel must be tuned on the TV set. The transfer is then done automatically to the VCR.

1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'TUNER SET UP' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'AUTO TUNING' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
5. The automatic TV channel search starts. This allows the video recorder to save all available TV channels. This procedure may take several minutes.



6. When the TV channel search is complete, 'COMPLETED' will briefly appear on the TV screen.

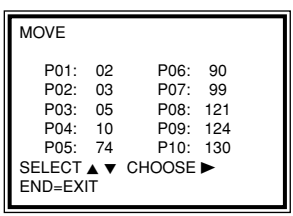
Sorting of TV channels from P01 to P06 will be performed automatically as follows.
P01: BBC1
P02: BBC2
P03: ITV
P04: CH4
P05: CH5
P06: SKY NEWS

Sorting and clearing TV channels manually

After you have performed the automatic channel search you may not agree with the sequence in which the individual TV channels have been allocated to the programme positions (programme numbers) of the video recorder. You can use this function to individually sort the TV channels already saved or to delete unwanted TV channels or those with poor reception.

The clock resets automatically
If you save a TV channel that transmits TXT/PDC on programme number 'P01', date and time will constantly be updated. As a result, time changes, i.e. daylight savings time, will be set automatically.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'TUNER SET UP' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'MOVE' with PLAY ►-▲ STOP ■-▼, and confirm with FWD ►▷- ►.
5. With PLAY ►-▲ STOP ■-▼, select the saved TV channel that you want to change.
6. Confirm with FWD ►▷- ►.

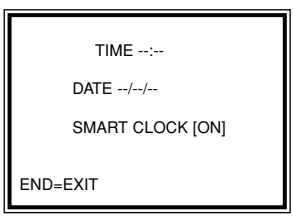


7. Move the selected channel with PLAY ►-▲ STOP ■-▼ to the programme number you want to assign.
8. Confirm with FWD ►▷- ►.
9. To assign other TV channels to a programme number, repeat steps 5 to 8.
10. Confirm the assignment of the TV channel with MOVE menu.
11. To exit the MOVE menu, press STATUS/EXIT.

Setting the clock

If the display shows an incorrect time or ' --:-- ', the time and date must be reset manually.
If a TV channel that transmits TXT/PDC (teletext/PDC) is stored under programme number 'P01', time/date will automatically be taken from the TXT/PDC information.
(SMART CLOCK)

1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'INITIAL SET UP' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'CLOCK' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
5. Check the time in 'TIME'. If required, please change the time with 0..9.



6. Check 'DAY', 'MONTH' and 'YEAR' in the same way.
7. Choose 'SMART CLOCK' ON or OFF with FWD ►▷- ►.

Time/date is displayed incorrectly despite manual setting
* With Smart Clock, time/date is taken from the TV channel saved on 'P01'.
If you wish to switch this automatic time correction off, select 'OFF' for Smart Clock. You can reactivate this function at anytime by selecting 'ON' for Smart Clock.

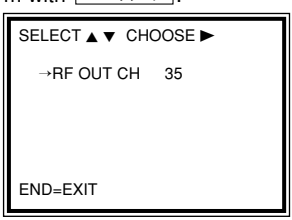
8. To end, press STATUS/EXIT.

Setting the RF out channel

In some reception locations it is possible that a TV channel will be sent on the same or similar frequency as the video recorder.
Result: As soon as the video recorder is switched on, the reception quality for this or several other TV channels will decrease.
The following steps will show you how to change the pre-set 'transmission' (RF out channel) frequency on the video recorder.

What is RF out channel?
This electronic component in the video recorder allows the device to transmit audio and video signals via the aerial cable. These signals can be received on a TV set just like TV channels. This frequency or channel indicates the channel on which the audio or video signal is transmitted.

1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'INITIAL SET UP' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'RF OUT' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.



5. Press FWD ►▷- ►.
6. Press PLAY ►-▲, STOP ■-▼ or 0..9 to select a free (not allocated) channel between channel 22 and 69 in your area.
7. Press FWD ►▷- ►.

If you cannot get an interference-free picture and sound, switch the built-in modulator off. Press STOP ■-▼ repeatedly until "--" appears next to "RF OUT CH" on the TV screen. Then confirm with FWD ►▷- ►. In that case, please connect your VCR to your TV with a Scart cable.

8. To end, press STATUS/EXIT.

4. Playback

Playing cassettes

You can operate the video recorder using the remote control or the buttons on the front of the video recorder.
If you press PLAY, STOP, FWD or REW while the set is in Stand-by, the power will be automatically turned on. Additionally, if a cassette was already inserted, the corresponding operation will be performed.
Your video recorder can only record and play standard VHS cassettes.

1. Put a cassette into the cassette slot. The cassette is inserted automatically. ' ' will appear on the display.

DIGITAL STUDIO PICTURE CONTROL
Philips has developed a system which produces the best possible playback quality. For old and often-used video cassettes, this system reduces interference. For new or high quality cassettes, it emphasises the details.
Picture/ sound quality is poor
When playing rental videos or older, poorer quality cassettes, it may not be possible to completely filter out picture and sound interference. This is not a fault in your machine. Read the section 'Manual tracking'.

2. Press PLAY ►-▲ to view the tape.
3. To stop the playback, press STOP ■-▼ or STOP / EJECT on the video recorder.
4. To eject the cassette, press STOP / EJECT when the video recorder stops the playback.

Automatic switch-off of special functions
Many functions (e.g. pause, still picture) switch themselves off automatically after a short time in order to protect the cassette and to save energy.

Do I need to change the playback speed when playing back LP recordings?
During playback, the correct speed will automatically be selected. For more information, please read the section 'Selecting the recording speed (SP or LP)' in the chapter 'Manual recording'.

Playing back NTSC cassettes

This video recorder can also play back cassettes that have been recorded in SP [Standard Play] or SLP [Super Long Play] mode in the NTSC standard (for example, American cassettes). However, this only works on PAL-television sets that are suitable for a picture frequency of 60Hz.

Displaying current tape position

The following information is displayed on the screen: e.g.: 0:02:45 shows the counter in hours, minutes and seconds.
SP/LP: will show the recorded speed of your cassette
'REM 0:06': will show the actual amount of playing/recording time left on the tape in hours and minutes.
When you play an NTSC cassette, the video recorder will show 'REM -:--'.

How can I set the counter to '0:00:00'?
You can set the counter to '0:00:00' with CLEAR.
When you put a cassette in the video recorder, the counter will automatically reset to '0:00:00'.

The counter does not move
This occurs when there are no recordings on a portion of a tape. This is not a fault in your video recorder.
The screen shows '-0:01:20'
If you rewind a cassette from the tape position '0:00:00', the counter will show for instance, '-0:01:20' (the cassette was rewound to 1 minute and 20 seconds before '0:00:00').
'-:--' is displayed in the 'REM' counter
This counter will automatically recognise the length of the tape. In addition, when you put in a cassette the video recorder must first calculate the time played. Therefore, '-:--' appears first and only after the tape has been running for a few seconds, the correct playing time will be shown.

Searching for a tape position with picture (scanning)

1. While a cassette is playing, press REW ◁◀-◀ (reverse) or FWD ▶▷-▶ (forward) one or more times.
2. Press PLAY ▶-▲ to resume playback.

Still picture / slow motion

1. During playback, press STILL ▶|◀ to stop the tape and display a still picture.
2. During playback, press SLOW to play the tape in slow motion.
3. Press PLAY ▶-▲ to resume playback.

Scanning and still/slow motion interferes with the picture quality. The sound is switched off. This is not a fault in your video recorder.

Searching for tape position without picture (forward wind and rewind)

1. Stop the tape with STOP ■-▼.
2. Press REW ◁◀-◀ (reverse) or FWD ▶▷-▶ (forward).
3. To stop the tape, press STOP ■-▼.

Index search

Every time a tape is recorded an index marking is written on the tape.
These marked positions can be found again quickly and easily later.

1. To search for the previous marking, press INDEX ▶| and then REW ◁◀-◀.
2. For the next marking, press INDEX ▶| and then FWD ▶▷-▶.
3. As soon as the video recorder finds this marking, it automatically switches to playback.

Smart picture [VR840]

You can change the picture setting while a tape is playing.

1. Press SMART PICTURE. This will show the current picture setting.
2. Press SMART PICTURE again to select the picture setting of your choice.
   'NATURAL': best all-purpose-setting to watch a well-recorded tape (natural picture).
   'DISTINCT': accentuate the details. Valuable to watch high quality tapes or recorded sport events.
   'SOFT': for rented tapes. It reduces the noise, making the picture more enjoyable.
   'SHARP': best for cartoons or animation movies.

This setting will remain stored until you eject the tape.

Manual Tracking

To manually adjust the tracking during playback and slow motion playback, press PROGRAMME+ PROGRAMME- or PROG P+ PROG P–.
Tracking will return to Automatic Tracking Adjustment when you press STOP ■-▼, insert a tape, or press PLAY ▶-▲.
To remove vertical jitter in a Still picture, press PROGRAMME+ PROGRAMME- or PROG P+ PROG P–.

5. Manual recording

General information

Use **'Manual Recording'** to make a spontaneous recording (for example, a programme currently being shown).

If you want to start and stop a recording manually, read the section **'Recording without automatic switch-off'**.

If you want to start a recording manually but have it stopped automatically, read the section **'Recording with automatic switch-off'**. (e.g. not to record to the end of the tape)

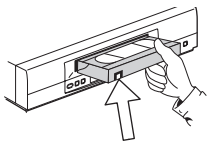
Read the section **'Direct record'** if you want to record a programme currently being shown.

Read the section **'Automatic recording from a satellite receiver'**, if you want a recording to be controlled automatically by a satellite receiver.

Recording without automatic switch-off

1. Insert a cassette.
2. Use PROG P+ PROG P– to select the programme number you want to record, for example, 'P01'.
3. To start recording, press REC ●.
4. Stop recording with STOP ■-▼.

Preventing accidental erasing



All cassettes (except rental and pre-recorded cassettes) have a security tab on the back of the cassette.
To prevent recording over important recordings (erasing), you can remove this security tab.
If you later decide to record on a protected cassette, simply cover the hole with adhesive tape or slide the tab to the right.

Lining up recordings (assemble cut)

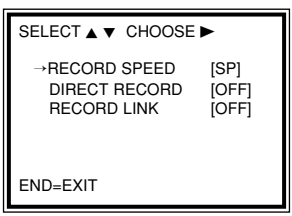
When you add a further recording to a cassette, which already has a recording on it, a short blank (flicker) can appear between the old and the new recording or the picture itself can flicker. To help reduce these from occurring, proceed as follows:

1. Find the tape position of the old recording where you want to insert the new recording.
2. Look at the last minute of the old recording (playback).
3. Press STILL ▶▮ at the tape position where the new recording is to go and press REC ●.
4. Now start recording as usual by pressing REC ● on the remote control.
5. Stop recording with STOP ■-▼.

Selecting the recording speed (SP or LP)

LP allows to double the recording duration on tape (for example six hours instead of three hours on an E180 cassette).

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'RECORD SETUP' using PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'RECORD SPEED' using PLAY ►-▲ STOP ■-▼.



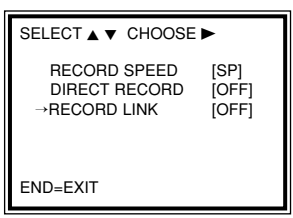
5. Select the required recording speed with FWD ►▷- ►.
6. To end, press STATUS/EXIT.

SP'/'LP' /'AUTO'
'SP': Standard Play (normal recording speed) offers the usual first-class picture quality.
'LP': Long Play (half recording speed, double recording time). 6 hours can be recorded on a 3-hour cassette (E180) with a somewhat reduced picture quality.
'AUTO': AUTOmatic Long Play. If there is not enough space on the tape to record a programmed recording in standard speed, the recording is automatically done in 'LP' (Longplay). Otherwise, the recording speed will be 'SP' (Standardplay).

Automatic controlled recording from a satellite receiver (RECORD LINK)

This function automatically starts recording on the switched-off video recorder when a video signal is recognised through the connected scart cable. If your satellite receiver has a programming function, the recording will start automatically (as long as the satellite receiver is switched on).

1. Use a scart cable to connect scart socket AV2(DECODER) on the video recorder to the corresponding scart socket on the satellite receiver.
2. Switch on the TV. If required, select the programme number for the video recorder.
3. Press MENU. The main menu will appear.
4. Select 'RECORD SET UP' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
5. Select 'RECORD LINK' with PLAY ►-▲ STOP ■-▼.



6. Select function 'ON' with FWD ►▷- ►.
7. To end, press STATUS/EXIT.
8. Insert a cassette.
9. Programme the satellite receiver with the required information (programme number of the TV channel, start time, end time). If necessary, please see the operating instructions for your satellite receiver.
10. Switch off the video recorder with STANDBY/ON ⏻.

The video recorder is now ready to record. The beginning and end of the recording is controlled via scart socket AV2(DECODER).

'Direct Record'

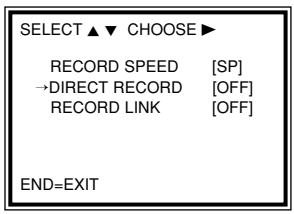
With Direct Record, you can record the right TV channel in seconds even if your video recorder is switched off. If the recording is started manually, the video recorder uses the current TV channel set on the TV. You will find more information on how to switch 'Direct Record' on or off in the next section. Make sure that your video recorder socket (AV1/TV) and the TV are connected by a scart cable.

1. On the TV, select the programme number you want make the recording from.
2. Press REC ● with the video recorder switched off.
3. Stop recording with STOP ■-▼.

How does Direct Record work?
The video recorder compares the TV channel selected on the TV set with its stored TV channels via the scart cable. If the same TV channel is found, it switches the video recorder to the corresponding programme number and starts recording. Please do not change the TV channel on the TV set during the search so as not to affect the process.

Switching 'Direct Record' on or off

1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'RECORD SET UP' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. In 'DIRECT RECORD', select 'OFF' (Direct Record off) or 'ON' (Direct Record on) with FWD ►▷- ►.



5. To end, press STATUS/EXIT.
6. Switch off with STANDBY/ON ⏻.

6. Programming a recording (TIMER)

General information

Use a TIMER programming to automatically start and stop a recording at a later time or date. The video recorder will switch to the right programme number and begin recording at the correct time. With this video recorder, you can pre-programme up to eight recordings within a period of one year. To make a programmed recording, your video recorder needs to know:
* the date you want to make the recording
* the programme number of the TV channel
* the start and stop time of the recording
* VPS or PDC on or off

This information is saved in a 'TIMER block.

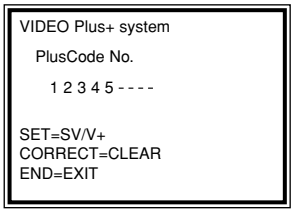
What is 'VPS/PDC'?
'VPS' (Video Programming System)/ 'PDC' (Programme Delivery Control) are used to control the start and duration of TV channel recordings. If a TV programme starts earlier or ends later than scheduled, the video recorder will turn on and off at the correct time.
What do I need to know about 'VPS/PDC'?
Usually the VPS or PDC time is the same than the start time. But if your TV guide shows a VPS or PDC time which is different from the programme's scheduled start time, e.g. 20.10 (VPS/PDC 20.14), you must enter the VPS/PDC time exact to the minute. If you want a start time different from the VPS/PDC time, you must switch VPS/PDC off.

Programming a recording (with the VIDEO Plus+® system')

VIDEO Plus+®

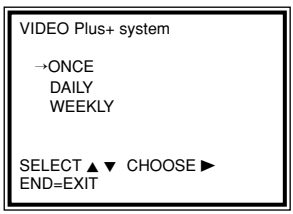
Thanks to this programming system, you no longer need to tediously enter the date, programme number, start and end time. All the information needed for programming in contained in the PlusCode programming number. You can find this PlusCode programming number is most TV listing magazines written next to the concerned programme.

1. Switch the TV on. If applicable, select the programme number for the video recorder operation.
2. Press SV/V+ on the remote control.
3. Enter the entire PlusCode programming number. This number is up to 9 digits long and can be found next to the start time of the TV programme in your TV listing magazine. [e.g: 1-234-5 or 1 234 5]



If you make a mistake, you can clear your input with CLEAR.

4. Press SV/V+.
5. Select ONCE, DAILY, or WEEKLY recording with PLAY ►-▲ STOP ■-▼. Then press FWD ►▷- ►.



Selecting once/daily/weekly recordings
Using PLAY ►-▲ STOP ■-▼, select from the following options:
'ONCE': Recording once
'DAILY': Repeated daily recordings (Monday to Friday)
'WEEKLY.': Repeated weekly recordings (every week on the same day)

'- -' appears at PROG. .
* The programme number of the TV channel has not yet been assigned to the PlusCode programming number. Using the number buttons 0..9 on the remote control, select the corresponding programme number (name) of the TV channel.

The following message appears on the screen:'ERROR'
* The entered PlusCode programming number is incorrect. Correct your input or end with STATUS/EXIT.
* Check the time/date (see chapter 'Installing your video', section 'Setting the time and date').
* A daily recording was entered for the wrong day. Daily programming can only be used for recordings to be made from Monday to Friday.

The following message appears on the screen:'TIMER NOT COMPLETED'
* The channel is wrong.

6. The decoded data appears after confirmation. You can go back to change the data. Select the corresponding input field using FWD ▶▷-▶ CLEAR. Change the data with 0..9.
7. When all inputs are correct, press STATUS/EXIT. The programming information is stored in a TIMER block.

Switching on 'VPS/PDC' in the 'START' input field

Select 'VPS/PDC' using FWD ▶▷-▶ CLEAR. Press '1' to switch off 'VPS/PDC' or press '2' to switch on 'VPS/PDC'.

8. Insert a cassette with an intact security tab (unprotected).
9. Switch off with STANDBY/ON ⏻. The programmed recording will only function when the video recorder is switched off with STANDBY/ON ⏻.

If any of the TIMER blocks are in use, ' REC' will light up on the video recorder display.

Helpful Hints

The video recorder will not operate

* While a programmed recording is being made, you cannot operate your video recorder manually. If you want to cancel the programmed recording, press ■/⏏.

'TURN OFF VCR FOR TIMER RECORDING' flashes on the TV screen

* The video recorder was switched on several minutes before the start of a programmed recording. Switch off the video recorder with STANDBY/ON ⏻. A programmed recording (timer) will only function if the video recorder is switched off.

Cassette is ejected during recording

* The end of the tape was reached during recording.

Error message: '☑' will flash in the video recorder display

* No cassette was inserted. Insert a cassette and switch off the video recorder using STANDBY/ON ⏻.

Cassette was ejected as soon as the STANDBY/ON ⏻ button was pressed

* A cassette was inserted with the security tab removed.

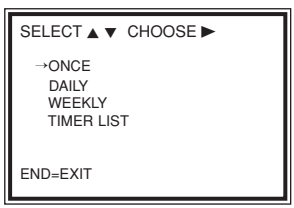
Undo the erase protection (chapter 'Manual Recording', section 'Preventing accidental erasing') or insert a different cassette.

Error message: 'FULL'

* If this error message appears after pressing SV/V+, then all TIMER blocks are already programmed. No more recordings can be programmed. If you want to clear a programmed recording (TIMER block), select the programme number on TIMER LIST menu and press CLEAR.

Programming a recording (without the VIDEO Plus+® system)

1. Switch the TV on. If applicable, select the programme number for the video recorder operation.
2. Press MENU. The main menu will appear.
3. Select 'TIMER' with PLAY ▶-▲ STOP ■-▼. Then press FWD ▶▷-▶.
4. Select ONCE, DAILY, or WEEKLY recording with PLAY ▶-▲ STOP ■-▼. Then press FWD ▶▷-▶.



If all Timer blocks are in use, 'FULL' will appear on the OSD.

5. Select the desired Timer block with 0..9.

Selecting once/daily/weekly recordings

Use PLAY ▶-▲ STOP ■-▼ to select from the following options:
'ONCE': Recording once
'DAILY': Repeated daily recordings from Monday to Friday
'WEEKLY.': Repeated weekly recordings (every week on the same day)

6. Enter the Start time (START) End time (STOP), Programme number (PROG.), VPS/PDC information and the Date with 0..9.

Programme numbers of the ' AV1 ' and ' AV2 ' scart socket
You can also programme recordings from external sources via scart socket AV1(TV)or AV2 (DECODER).

7. When all inputs are correct, press STATUS/EXIT. The programming information is stored in a TIMER block.
8. Insert a cassette with an intact security tab (unprotected).
9. Switch off with STANDBY/ON ⏻.
The programmed recording will only function when the video recorder is switched off with STANDBY/ON ⏻.

Helpful Hints

Error message: '☑' will flash in the video recorder display
- No cassette was inserted. Insert a cassette and switch off the video recorder using STANDBY/ON ⏻
- A cassette was inserted with the security tab removed. Undo the erase protection (chapter 'Manual Recording', section 'Preventing accidental erasing') or insert a different cassette.

Cassette is ejected during recording
- The end of the tape was reached during recording.

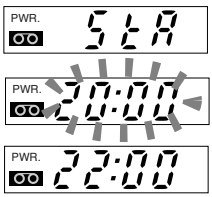
The video recorder does not react
- While a programmed recording is being made, you cannot operate your video recorder manually. If you want to cancel the programmed recording, press STOP / EJECT.
- The end of the tape was reached during recording.

Error message: 'FULL'
- If this error message appears after you select 'ONCE', 'DAILY', or 'WEEKLY' on TIMER menu and press FWD ▶▷-▶, then all TIMER blocks are already programmed. No more recordings can be programmed. If you want to clear or check a programmed recording (TIMER block),select the programme number on TIMER LIST menu and press CLEAR.

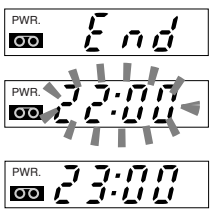
Programming a recording with 'TURBO TIMER'

With Turbo Timer, programming a recording that takes place within the next 24 hours is quick and easy. You don't even need to switch your TV set 'on' as the necessary information will appear in the VCR display. (the figures below are only shown as examples)

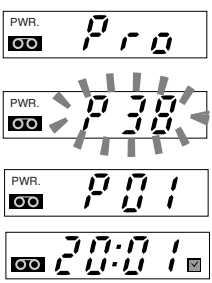
1. Press TURBO TIMER
' STA ' will briefly appear in the video recorder display. After 2 seconds, start time will appear (default setting is current time). Set the time you want to start recording using PLAY ▶-▲ STOP ■-▼



2. Press TURBO TIMER.
' End ' will briefly appear in the video recorder display. After 2 seconds, the end time will appear (default setting is same as the start time). Set the time you want to finish recording using PLAY ▶-▲ STOP ■-▼.



3. Press TURBO TIMER.
' Pro ' will briefly appear in the video recorder display. After 2 seconds, default program number will appear in the display. Set the desired program number using PLAY ▶-▲ STOP ■-▼.



4. Press TURBO TIMER.
The program number you have just set will be displayed.
Programming is now complete.
5. Insert a cassette with an intact security tab (unprotected).
6. Switch off with STANDBY/ON ⏻.
The programmed recording will only function when the video recorder is switched off with STANDBY/ON ⏻.

Helpful Hints

The video recorder does not react
- While a programmed recording is being made, you cannot operate your video recorder manually. If you want to cancel the programmed recording, press STOP / EJECT.
- The end of the tape was reached during recording.

Switch off the video recorder with STANDBY/ON . A programmed recording (timer) will only function if the video recorder is switched off.

'TURN OFF VCR FOR TIMER RECORDING' appears on the screen

* The video recorder was switched on several minutes before the start of a programmed recording.

' ☑ ' will flash in the video recorder display

* No cassette was inserted. Insert a cassette and switch off the video recorder using STANDBY/ON .

Cassette is ejected during recording

* The end of the tape was reached during recording.

The 'PROTECTED CASSETTE CANNOT RECORD' error message appears briefly in the screen then the cassette is ejected

* A cassette was inserted with the security tab removed.

Undo the erase protection (chapter 'Manual Recording', section 'Preventing accidental erasing') or insert a different cassette.

Error message: ' Err '

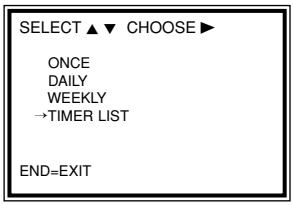
* If this error message appears after pressing TURBO TIMER , the timer recording is overlapped with another recording.

Error message: ' FUL '

* If this error message appears after pressing TURBO TIMER , then all TIMER blocks are already programmed. No more recordings can be programmed. If you want to clear or check a programmed recording (TIMER block),select the programme number on TIMER LIST menu and then press CLEAR.

How to check, or delete a programmed recording (TIMER)

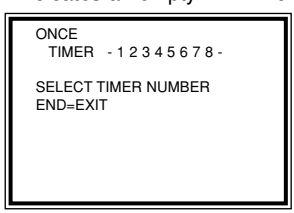
1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'TIMER' with PLAY ►-▲ STOP ■-▼. Then press FWD ►▷- ►.
4. Select 'TIMER LIST' with PLAY ►-▲ STOP ■-▼, and confirm with FWD ►▷- ►.



5. Select timer block with FWD ►▷- ►.
6. To cancel the recording, press CLEAR.
7. To end, press STATUS/EXIT.
8. Switch off with with STANDBY/ON .

How to change a programmed recording (TIMER)

1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'TIMER' with PLAY ►-▲ STOP ■-▼. Then press FWD ►▷- ►.
4. Select ONCE, DAILY, or WEEKLY recording with PLAY ►-▲ STOP ■-▼. Then press FWD ►▷- ►.
5. Select a TIMER block with 0..9. (The flashing number indicates an empty TIMER block.)



6. Press CLEAR to delete information and input correct information with 0..9.
7. To end, press STATUS/EXIT.
8. Switch off with STANDBY/ON .

'NexTView Link' [VR840]

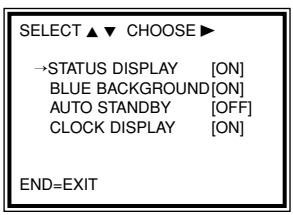
This video recorder is equipped with the function 'NexTView Link'. If your television is also equipped with this function, you can mark TV programmes on the television for programming. These TV programmes will automatically be transmitted to a TIMER block on the video recorder. Please note that “Direct Record” has to be switched ON (see page 19).
For more information, read the instruction manual of your TV set.

7. Other functions

Switching the status display off or on

Along with the on screen menu, the status display also displays information on the current operating status (counter, playback, recording, TV channel, etc.) on the TV screen. You can switch off the information about the operating status so that the status display is not recorded when copying videocassettes.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'VCR SET UP' with PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'STATUS DISPLAY' with PLAY ►-▲ STOP ■-▼.



5. Select 'ON' or 'OFF' with FWD ►▷- ►.

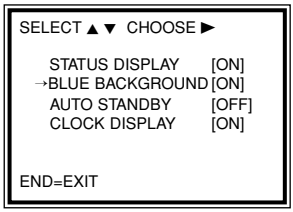
Which settings can I choose?
'ON': Shows the status display for a few seconds only.
'OFF': Switches off the status display.

6. To end, press STATUS/EXIT.

Blue Background on or off

If you want the TV screen to be solid blue when a weak signal is received, set BLUE BACKGROUND to 'ON'. The screen will be blue and the sound will be muted. Or, if you want to receive the weak signal, set BLUE BACKGROUND to 'OFF'.

1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'VCR SET UP' using PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'BLUE BACKGROUND' using PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.



5. Select 'OFF' (no blue background) or 'ON' (blue background on) with FWD ►▷- ►.

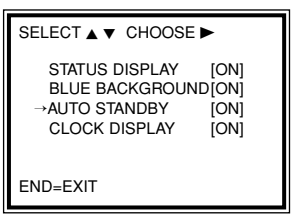
If you select 'OFF', the menu display will disappear.

6. To end, press STATUS/EXIT.

Automatic switch-off

If you haven't used the video recorder for a few minutes in certain modes (e.g.: STOP), it will switch to standby automatically. You can cancel this function to use the video recorder as a television receiver.

1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'VCR SET UP' using PLAY ►-▲ STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'AUTO STANDBY' using PLAY ►-▲ STOP ■-▼.

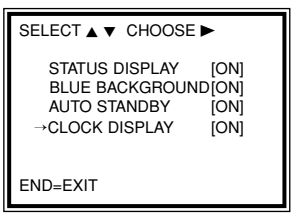


5. Select 'OFF' (no automatic switch-off) or 'ON' (automatic switch-off) with FWD ►▷- ►.
6. To end, press STATUS/EXIT.

Clock Display

This function allows you to switch the VCR display off. It is useful in case you feel disturbed by the display-brightness while watching TV in a dark room. It also reduces the power consumption.

1. Switch on the TV. If required, select the programme number for the video recorder.
2. Press MENU. The main menu will appear.
3. Select 'VCR SET UP' using PLAY ►-▲ or STOP ■-▼ and confirm with FWD ►▷- ►.
4. Select 'CLOCK DISPLAY' using PLAY ►-▲ or STOP ■-▼.



5. Select 'OFF' (no clock display) or 'ON' (clock display on) with FWD ►▷- ►.
6. To end, press STATUS/EXIT.

Selecting the sound channel

You can select the desired sound channel during playback or while receiving TV channels via the video recorder. This allows you to select a desired language for multi-language transmissions.

1. Press AUDIO. This will show the current sound setting.
2. Press AUDIO until the desired setting appears in the display.

• During reception of bilingual broadcasts:

Mode	AUDIO OUTPUT		Display on the TV screen
MAIN	L	Main Audio	MAIN
	R	Main Audio	
SUB	L	Sub Audio	SUB
	R	Sub Audio	
MAIN SUB	L	Main Audio	MAIN SUB
	R	Sub Audio	

• Reception of stereo broadcasts:

Mode	AUDIO OUTPUT		Display on the TV screen
Stereo	L	L Audio	STEREO
	R	R Audio	
L	L	L Audio	LEFT
	R	L Audio	
R	L	R Audio	RIGHT
	R	R Audio	
Monaural	L	L+R Audio	NONE
	R	L+R Audio	

• During playback of the recorded tape in Hi-Fi mode:

Mode	AUDIO OUTPUT		Display on the TV screen
Stereo	L	Hi Fi L Audio	STEREO
	R	Hi Fi R Audio	
L	L	Hi Fi L Audio	LEFT
	R	Hi Fi L Audio	
R	L	Hi Fi R Audio	RIGHT
	R	Hi Fi R Audio	
Monaural	L	Normal Audio	MONO
	R	Normal Audio	
MIX	L	Hi Fi L Audio +Normal Audio	MIXED
	R	Hi Fi R Audio +Normal Audio	

8. Before you call an engineer

If, contrary to expectation, you have any problems using this video recorder, it may be caused by the following reasons.

Your video recorder does not respond to any button being pressed:
* There is no power supply: check the power supply.
* A programmed recording is currently being made: if desired, cancel the programmed recording. Please see the section 'How to check or delete a programmed recording' in chapter 'Programming a recording'
* There is a technical problem: disconnect from the mains power supply for 60 seconds, then connect again.
If this doesn't help, you could reset your video recorder to the default factory settings.

Resetting devices to default factory settings
*** Attention:**
All the information stored (TV channels, time and date, TIMER) will be cleared.
1.Switch off this video recorder with STANDBY/ON ⏻.
2.Press and hold STOP / EJECT and PROGRAMME+ for 2 seconds or more at the same time.

Cassette is jammed in the video recorder:
* Don't use force. Pull out the mains plug for a moment.

Remote control does not work:
* Remote control not pointed toward the video recorder: point it at the video recorder.
* There is a technical problem: Take out the batteries, wait for 10 seconds and place them back.
* Batteries have run out: change the batteries.

No picture when you play a cassette:
* There is no recording on the cassette: change the cassette.
* You have selected the wrong programme number on the TV for playing cassette: on the TV, select the correct programme number for the video recorder.
* The cable connecting the TV set and the video recorder has come loose: check the cable.

Poor picture quality when you play a cassette:
* Your TV set is not properly adjusted.
* The cassette is badly worn or of poor quality: use new cassette.
* Tracking is not properly adjusted: turn to section 'Manual Tracking'.

No recording possible:
* The TV channel you want to record is not stored or you selected the wrong programme number: check TV channels stored.
* A cassette was inserted that does not have the security tab (cannot be used to record): Insert a cassette with an intact security tab or change cassette. For more information, please see the section 'Preventing accidental erasing' in chapter 'Manual Recording'.
* 'VPS/PDC' switched on but 'VPS/PDC time' wrong: enter 'VPS/PDC time' exactly to the minute. Have your aerial checked.

There is picture or sound interference on TV reception:
* Turn to chapter 'Installing your video recorder' and read 'Setting the RF out channel'.
* Have your aerial checked.

The wrong TV channel has been selected after you have programmed a recording using the VIDEO Plus+® system:
*1.Enter the PlusCode programming number.
2.Check the programme number/channel name in the 'PROG.' input field.
3. If this does not correspond to the desired TV channel, select the input field and change the programme number/channel name.
4. Confirm with STATUS/EXIT.

You can also call the **customer service centre** in your country.
The telephone numbers can be found on the back of this instruction manual. Have the model number (MODEL NO) and the production number (PROD.NO.) of your video recorder ready.

PHILIPS NORGE AS
Sandstuveien 70,
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NORWAY
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PHILIPS AUSTRIA GMBH
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Tel: 0810 001 203

PHILIPS PORTUGUESA, S.A.
Consumer Information Centre
Rua Dr. António Loureiro Borge, nr.
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Phone: 021-4163063

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1070 BRUSSEL/BRUXELLES
BELGIUM (for BENELUX)
Tel: 070-222303

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